

CURRENT STEERING CHARGE PUMP

ABSTRACT

A current steering charge pump that receives control signals and sources and sinks current in response to the control signals. One embodiment includes a main current source, secondary current source, main current sink, and secondary current sink, and three different current paths between various of the current sources and current sinks. One embodiment includes buffers operative to maintain the node voltages of central nodes at the same voltage as the output node of the charge pump, where each buffer is coupled between two of the three current paths.